



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D5527-3
Job Sheet 176097



Part No: D5527-3

Job Qty: 10 ea

Part Name: Activating Tool



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/17/18

Job Tracking No:

Due Date: 4/20/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: D5527 REV.B IPP REV:A 17.04.25 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	10 pcs		4/20/18	0.00	0.00	Purchasing		At 18/4/17
110	Packaging	10 pcs		4/20/18	0.00	0.00	Packaging2		At 18/4/17
120	QC	10 pcs		4/20/18	0.00	0.00	QC6		38
130	Packaging	10 pcs		4/20/18	0.00	0.00	Packaging3-2	SH/62	DAS 6 APR 18 2018
140	QC21-SA	10 Ea		4/20/18	0.00	0.00	QC21		2.89 18/04/18

Part Op 100 - Issue P/O: 39502 Purchase part as per Dwg Manufacturer: Curtis Superior Valve Company Manufactuurer
Descriptions: P/N: CCA-38001 Material release note required
110 - Receive & Inspect for Damage & Mat'l Certs
120 - QC6- All purchased or subcontracted products
130 - Identify as per dwg & Stock Location: _____
140 - QC21- Final Inspection - Work Order Release

APR 17 2018

21 9-89 DAS 13 9-89 X10

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
CCA-38001	Activating Tool	10 Ea (1 ea)	100-Purchasing	5061655

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	CCA-38001	10	0	0

Part Specifications

Specifications could not be found.

Plex 4/17/18 8:58 AM Dart.lajeunesse.marie

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS				
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐			

Date : _____ Step #: _____

Description :

Job No: 176097
Mfg Date: 04/17/18

Change No: _____
Operation: _____
Revision: _____
Serial No/Batch: S061656
PART NO: D5527-3

Activating Tool



MRB (QSI042) Approval

Completed By

Lead hand / Supervisor
Approval VerificationQC / QA Coordinator
Approval**Root Cause**

Environment ☐	No Re-verification ☐
Design ☐	Operator ☐
Doc/Data ☐	Offset/Setup ☐
Equip/Tooling ☐	Supplier ☐
Handling/Pre ☐	Training ☐
Material ☐	Use for Testing ☐
Internal Transport ☐	Poor Information ☐
Tribal Knowledge ☐	Rushing ☐
LOA ☐	Product Improvement ☐
Substation ☐	Process Improvement ☐
Past Expiry Date ☐	Manufacturing Process ☐
Misidentified ☐	Past Due ☐

Crump/Kink/Ripple/Wave ☐
Cuffs ☐
Crushing ☐
Heat Treat ☐
Wave/Twist in Tube ☐
Marks/Chatter ☐

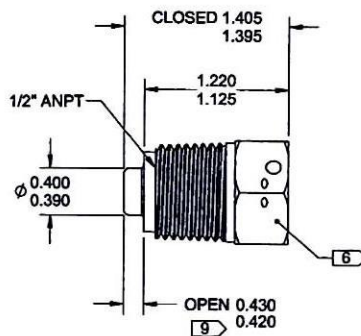
Damage/Defect ☐
Inspection Incomplete/Unqualified ☐
Contamination ☐
Countersink ☐
Cut Too Short ☐
Instructions Incomplete/Unclear ☐
Drill Holes ☐

Weld ☐
Wrong Stock Pulled ☐
Out of Sequence ☐
Off-set ☐
Mislabeled ☐
Fit/Function ☐
Misaligned/off center ☐

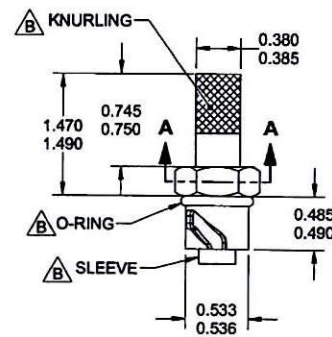
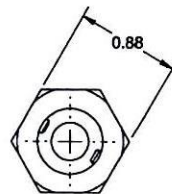
Positioned Wrong ☐
Outside Dimensions ☐
Over/Under tolerance ☐
Part Incorrect ☐
Part Lost/Missing ☐
Part Moved ☐
Drawing ☐
Finish ☐
Misread ☐
Turning Sequence ☐

OTHER : _____

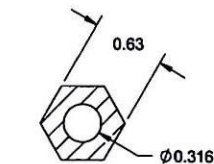
SPECIFICATION CONTROL DRAWING



D5527-1 OIL DRAIN VALVE



D5527-3 ACTIVATING TOOL



**SECTION A-A
SCALE 1:1**

DART PN	DESCRIPTION	MANUFACTURER	MANUFACTURER PN	BODY MATERIAL	WEIGHT	SEAL MATERIAL	SPECIFICATION
D5527-1	OIL DRAIN VALVE	CURTIS SUPERIOR VALVE COMPANY	CCB-38000	6061-T6	0.05	VITON	10
D5527-3	ACTIVATING TOOL	CURTIS SUPERIOR VALVE COMPANY	CCA-38001 (INCLUDED WITH CCB-38000)	6061-T6	0.01	N/A	N/A

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART PN "D5527-1" ON A CLEAR FLAT SURFACE PER QSI 044 6.4
- 7) IDENTIFICATION: IDENTIFY AT NEXT HIGHER ASSEMBLY
- 8) WEIGHT: SEE TABLE
- 9) TEST PROPER FUNCTION OF THE VALVE WITH THE ACTIVATING TOOL
- 10) MEETS THE MECHANICAL REQUIREMENTS OF TSO-C76

RELEASED
2017-09-19
ECN 17-613

APPROVED

B	UPDATE IMAGE OF D5527-3 ACTIVATING TOOL	WK	17.09.14
A	NEW ISSUE	WK	17.04.12
REV.	DESCRIPTION	BY	DATE
DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	WK		
CHECKED	VS	DRAWING NO.	REV. B
MFG. APPR.	DD	D5527	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN VALVE & TOOL	NTS
DATE	17.09.14	COPYRIGHT © 2017 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
Date :	Step #:	QTY Effective :			MRB (QSI042) Approval	
Description Work Order Deviation		Disposition				
					Completed By	
					Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
☐ OTHER : _____						



PURCHASE ORDER
PO039508

Via:	Ground
Pymt Terms:	Net 30
Freight Terms:	
Special Comments:	

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	CCB-38000		Oil Drain Valve - D5527-1 JOB NO 175722	Firmed	5/14/18	10 Ea	0 Ea	10 Ea	\$101.98/Ea	\$1,019.80
Line Item Note job no. 175383										
2	N-2784-08		Coupling	Firmed	4/30/18	6 Ea	0 Ea	6 Ea	\$1,812.60/Ea	\$10,875.60
3	N-2784-06		Coupling (Stratoflex)	Firmed	4/30/18	6 Ea	0 Ea	6 Ea	\$1,496.25/Ea	\$8,977.50
4	CCA-38001		Activating Tool D5527-3 wo 176097	Firmed	4/17/18	10 Ea	0 Ea	10 Ea	\$0.01/Ea	\$0.10
			wo 176108	Firmed	5/14/18	10 Ea	0 Ea	10 Ea	\$0.01/Ea	\$0.10
Sub Total:						20	0	20		\$0.20

Grand Total: \$20,873.10

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



BOX CONTENT LIST



ODO: 310007851961

ROUTE: FDXIPA

DATE:
TIME: 20:1



Handling Unit: 110000000515407697

Packed at WorkCenter: SI04

CUSTOMER PO:PO039508
SER NUMBER:8005720187

J10003952
DART AEROSPACE LTD
70 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
CANADA

S CU10003952
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 1000
H AVIALl CENTRAL WAREHOUSE
I DALLAS CDC
P PO Box 619048
FROM DFW AIRPORT TX 75261
M USA

PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
	2I	CCB38000=2I VALVE: DRAIN,OIL,LKG,1/2 NPT,AL	10	10	EA
	BATCH 7364814678	Exp Date:		3	
	BATCH 7364814675	Exp Date:		7	

This is not an invoice.
For payment processing, please refer to Invoice.

Recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease or use of these goods.
Violation contrary to U.S. Law is prohibited.

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AMENDED

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04/10/2018